(19) World Intellectual Property Organization International Bureau



: 1014 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114 | 1114

(43) International Publication Date 11 November 2004 (11.11.2004)

(10) International Publication Number WO 2004/096570 A3

(51) International Patent Classification': B41F 19/02

B31F 1/07.

(21) International Application Number:

PCT/IL2004/000354

(22) International Filing Date: 28 April 2004 (28.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 155659

29 Oct 65 29 April 2003 (29.04.2003)

(71) Applicant (for all designated States except US): STAR-BOARD TECHNOLOGIES LTD. [IL/IL]; 17 Topaz Street, Cluster 11, 38900 Caesarea (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GOLAN, Ron [IL/IL]; 21 Benayahu Street, 69084 Tel Aviv (IL).

(74) Agents: AGMON, Jonathan et al.; Soroker - Agmon, Advocates & Patent Attorneys, Nolton House, 14 Shenkar Street, 46725 Herzliya Pituach (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN. CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

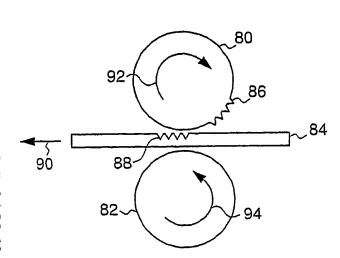
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 26 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR PROVIDING EMBOSSED HIDDEN IMAGES



(57) Abstract: A method for providing a hidden image (30) within a substrate 40 the method comprising embossing recesses on the substrate 40, the recesses form an at least one hidden image, whereby the at least one hidden image can be viewed with the use of at least one decoder. The decoder can be embossed in a similar manner.

WO 2004/096570 A3 |||||||||||||

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL04/00354

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B 31 F 1/07, B41F 19/02 US CL : 101/3.1, 32 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 101/3.1, 32, 4,5,18,19,22-24,28,32-36			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) US EAST			
C. DOC	JMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X	US 6,865,001 A (Long et al.) March 8, 2005 (08 March 2005), Claims 51,52.70 and 74. 1,7-11,14-17,21,22 27,30-39		
Y	US 6,104,812 A (Koltai et al.) 15 August 2000 (15.08.2000), col.8, lines 61-63. col.10 line 2- 57 and claims 8 and 13.		
Y	US 5,396,559 A (Mcgrew) 07 March 1995 (07.03.19 second paragraph.	2-6,12,13,18- 20,23,24,28,29	
Α	US 5,873,305 A (DEII'olmo) 23 Februarly 1999 (23.	1-39	
Α	US 6,321,648 A (Berson et al.) 27 November 2001 (27.11.2001).		1-39
Α	US 5,142,383 A (Mallik) 25 August 1992 (25.08.1992).		1-39
			,
		See patent family annex.	
			emational filing date or priority
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
of particular relevance "E" carlier application or patent published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or caunot be considered to involve an inventive step	
"L" documen establish specified	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	when the document is taken alone -Y" document of particular relevance; the considered to involve an inventive ste combined with one or more other sucl	p when the document is n documents, such combination
	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the document member of the same patent	
priority date claimed		· · · · · · · · · · · · · · · · · · ·	
		Date of mailing of the international search report 5 DEC 2005	
09 November 2005 (09.11.2005) Name and mailing address of the ISA/US		Authorized Officer Julia Seul Far	
Mail Stop PCT, Aun: ISA/US		Anthony Nguyen	
Commissioner for Patents		· ·	
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 571-272-2800	

Facsimile No. (571) 273-3201
Form PCT/ISA/210 (second sheet) (April 2005)